

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled LOW-LOSS PHOTONIC CRYSTAL WAVEGUIDE HAVING LARGE CORE RADIUS, the specification of which was filed on January 25, 2002 as Application Serial No. 10/057,258

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

| <u>U.S. Serial No.</u> | <u>Filing Date</u> | <u>Status</u> |
|------------------------|--------------------|---------------|
| 60/264,201             | 1/25/01            | Pending       |
| 60/337,603             | 11/8/01            | Pending       |

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Eric L. Prah, Reg. No. 32,590  
Timothy A. French, Reg. No. 30,175  
John F. Hayden, Reg. No. 37,640

Frank R. Occhiuti, Reg. No. 35,306  
Sean P. Daley, Reg. No. 40,978.

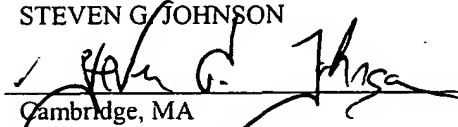
Address all telephone calls to ERIC L. PRAHL at telephone number (617) 542-5070.

Address all correspondence to ERIC L. PRAHL at:

FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: STEVEN G. JOHNSON

Inventor's Signature: 

Residence Address:

Citizenship:

Post Office Address:

Cambridge, MA

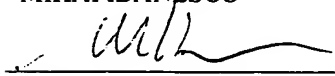
United States of America

305 Memorial Drive, #404B  
Cambridge, MA 02139

Date: 4/16/02

**Combined Declaration and Power of Attorney**  
Page 2 of 3 Pages

Full Name of Inventor: MIHAI IBANESCU

Inventor's Signature: 

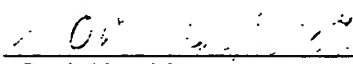
Date: 4/11/02

Residence Address: Cambridge, MA

Citizenship: Romania

Post Office Address: 305 Memorial Drive, #615-B  
Cambridge, MA 02139

Full Name of Inventor: ORI WEISBERG

Inventor's Signature: 


Date: 4-11-02

Residence Address: Cambridge, MA

Citizenship: United States of America

Post Office Address: 195 Binney Street, Apt. 4411  
Cambridge, MA 02142

Full Name of Inventor: YOEL FINK

Inventor's Signature: 

Date: 4-17-02

Residence Address: Cambridge, MA

Citizenship: United States of America

Post Office Address: 100 Memorial Drive, #8-13B  
Cambridge, MA 02142

Full Name of Inventor: JOHN D. JOANNOPOULOS

Inventor's Signature: 

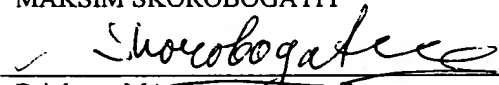
Date: 17 APR 02

Residence Address: Belmont, MA

Citizenship: United States of America

Post Office Address: 64 Douglas Road  
Belmont, MA 02478

Full Name of Inventor: MAKSIM SKOROBOGATIY

Inventor's Signature: 

Date: April 16/02

Residence Address: Brighton, MA

Citizenship: Russia

Post Office Address: 116 Washington Street, #63  
Brighton, MA 02135

**Combined Declaration and Power of Attorney**

Page 3 of 3 Pages

Full Name of Inventor: **TORKEL ENGENSESS**

Inventor's Signature: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Somerville, MA

Norway

48 Concord Avenue, #1

Somerville, MA 02143

Date: \_\_\_\_\_

4/15/02

Full Name of Inventor: **MARIN SOLJACIC**

Inventor's Signature: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Somerville, MA

Croatian

67 Fairfax Street

Somerville, MA 02144

Date: \_\_\_\_\_

16<sup>th</sup> APRIL 2002

Full Name of Inventor: **STEVEN A. JACOBS**

Inventor's Signature: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Needham, MA

United States of America

249 Warren Street

Needham, MA 02492

Date: \_\_\_\_\_

4/16/2002